

IN 09/483,881

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Kie Y. Ahn et al.	Examiner:	Ha T. Nguyen
Serial No.:	09/483,881	Group Art Unit:	2812
Filed:	January 18, 2000	Docket:	303.672US1
Title:	SELECTIVE ELECTROLESS-PLATED COPPER METALLIZATION		

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**INFORMATION DISCLOSURE STATEMENT**

MS RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

INFORMATION DISCLOSURE STATEMENT

Serial No :09/483,881

Filing Date: January 18, 2000

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Dkt: 303.672US1

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

KIE Y. AHN ET AL.

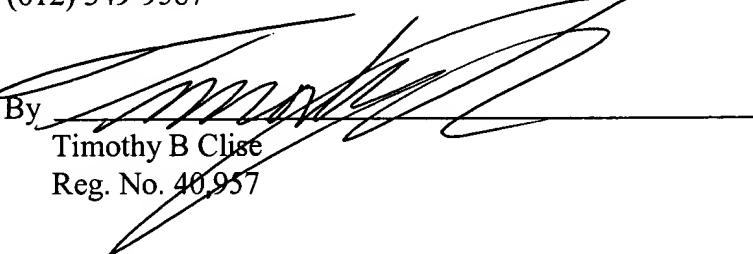
By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 349-9587

Date

11 May '05

By



Timothy B Clise  
Reg. No. 40,957

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 12 day of May, 2005.

Name

LISA POSORSKE

Signature

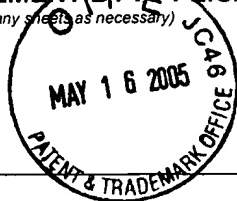


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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	09/483,881
Filing Date	January 18, 2000
First Named Inventor	Ahn, Kie
Group Art Unit	2812
Examiner Name	Nguyen, Ha

Sheet 1 of 1

Attorney Docket No: 303.672US1

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-2005-0023697A1	02/03/2005	Ahn, K. Y., et al.	08/31/2004
	US-5,633,200	05/27/1997	Hu, Yongjun	05/24/1996
	US-5,719,447	02/17/1998	Gardner, D. S.	05/30/1995
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	US-6,492,266	12/10/2002	Ngo, M. V., et al.	07/09/1998

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T <sup>2</sup>
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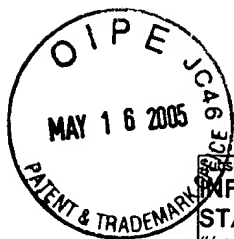
**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		MURARKA, S. P., et al., "Copper Metallization for ULSI and Beyond", <u>Critical Reviews in Solid State and Materials Sciences</u> , 20(2), (1995), 87-124	

**EXAMINER****DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.<sup>1</sup> Applicant's unique citation designation number (optional) <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached



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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary) :

Complete if Known

Application Number	09/483,881
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First Named Inventor	Ahn, Kie
Group Art Unit	2812
Examiner Name	Nguyen, Ha
Attorney Docket No:	303.672US1

Sheet 1 of 1

## US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US-2002/0167089A1	11/14/2002	Ahn, Kie Y., et al.	257	762	05/14/2001
	US-5,240,878	08/31/1993	Fitzsimmons, J., et al.	437	187	04/26/1991
	US-6,065,424	05/23/2000	Shacham-Diamand, Y., et al.	118	696	12/18/1996
	US-6,358,849	03/19/2002	Havemann, R. H., et al.	438	689	12/21/1999
	US-6,552,432	04/22/2003	Farrar, Paul A.	257	751	08/30/2001
	US-6,614,099	09/02/2003	Farrar, Paul A.	257	643	09/04/2001
	US-6,743,716	06/01/2004	Farrar, Paul A.	438	652	07/16/2002
	US-6,756,298	06/29/2004	Ahn, Kie Y., et al.	438	635	08/01/2002

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
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## OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		AMERICAN SOCIETY FOR METALS, "Properties and Selection: Nonferrous Alloys and Pure Metals", <u>Metals Handbook</u> , 9th ed., vol. 2, Metals Park, Ohio,(1979),Table of Contents	
		VAN HORN, K. R., "Aluminum Vol. III Fabrication and Finishing", <u>American Society for Metals</u> , Metals Park, OH,(1967),468	

EXAMINER

DATE CONSIDERED

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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached